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Savitribai Phule Pune University
Annual Report Information 2020-2021
Planning and Development

College Details

1.	Name Of the Department/College/Institute	:	Pune Vidyarthi Griha PVG's College of Engineering And Technology And G.K. Pate (Wani) Institute of Management Addr: 44 Vidyanagari Parvati Pune Ta: Pune (corporation Area) Dist: Pune	2.	Address Of the Department/College/Institute	:	44 Vidyanagari Parvati Pune Ta: Pune (corporation Area) Dist: Pune Pincode: 411009
3.	Name Of the Head/Principal/Director	:	Manoj Ramesh Tarambale	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 020-24228258 Email- principal@pvgcoet.ac.IN URL- pvgcoet.ac.in

5. Reference Books/Monographs Published by Teacher (2020-2021) :

Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.
1	Sarode Uday Bhagwan	Electrical Power System - I	Tech-neo Publications LLP	2020	978-93-90376-75-9 /
2	Sarode Uday Bhagwan	Material Science	Tech-neo Publications LLP	2020	978-93-5077-245-4 /
3	Karve Gauri Mandar	Community Energy Storage-National and International Review	Research Challenges in Science, Engineering and Technology, NOVA Publication, USA	2021	NA / NA
4	Atre Minakshi Pradeep	Covid 19: Loose Ends	SpingerNature	2020	978-981-15-6572-4 / -
5	Atre Minakshi Pradeep	Incident Classification, Prediction of Location and Casualties	8th International Conference on Computing for Sustainable Global Development (INDIAcom-2021)	2021	0 / 0

6. No.of Conference, Symposia, Seminars,Workshops etc. Organized (2020-2021)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	21	9	1



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7. Research Publications in National and International Journals/Edited Books/Proceedings (2020-2021)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Litake Shilpa Ramachandra	Integration of Fuzzy Logic and ABC Algorithm for Optimized Network Selection in Heterogeneous Wireless Environment	International Journal of Sensors, Wireless Communications and Control	11 & 14	2020	2210-3287 / 2210-3279 (
2	Joshi Akshay Vijay	Evaluation of Spot Color Reproduction by Extended Gamut Printing on a Narrow Web Flexography Press	Actagraphica	30 & 12	2021	0353-4707 / 0353-4707
3	Pawaskar Omkar Shirishchandra	Design Simulation and Analysis of Dynamic Wireless Charging of Electric Vehicles	IJRSET	10 & 6	2021	2319-8753 / 2320-6710
4	Bhoomkar Manmohan Manikrao	A Chilled Roller with Wire Insert for Offset Printing Machine	The Journal of Patent Office	34/2020 & 11	2020	2278-862X / 0975-492X
5	Deshpande Shubhangi Anand	Mrs.	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY	9 & 6	2020	2347 - 6710 / 2319 – 8753
6	Deshpande Shubhangi Anand	Mrs.	IJRAR	7 & 6	2020	2348-1269 / 2349-5138
7	Deshpande Shubhangi Anand	Automatic Depression Level Analysis	in International Journal of Research and Analytical Reviews (IJRAR)	7 & 836	2020	Other / 2349-5138
8	Deshpande Shubhangi Anand	Document Classification using NLP and Machine Learning	Document Classification using NLP and Machine Learning	9 & 1	2020	Other / 2319-8753
9	Vaidya Geetanjali Abhijit	Multi-Objective Optimal Placement and Sizing of DGs by Hybrid Fuzzy TOPSIS and Taguchi Desirability Function Analysis Approach	Electric Power Components and Systems [Taylor and Francis]	0 & 13	2021	0 / https://www.tandfonline.com/loi/uemp20



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10	Kurundkar Kalyani M, Karve Gauri M, Vaidya G A	Comparative performance analysis of Firefly algorithm and Particle swarm Optimization for Profit Maximization of Grid connected Microgrid providing energy and ancillary service	Solid State Technology	64 & 21	2021	0 / 0038111X
11	Joshi Vrunda Amarendra	Disturbance Observer based Sensorless Control of PMSM using Integral State Feedback Controller	IEEE Transactions on Power Electronics	35 & 6082	2020	0885-8993 / 1941-010
12	Mahajan Surendra Anil	Visual Speech Recognition	International Journal of Research and Analytical Reviews	07 & 4	2020	2349-5138 / 2349-1269
13	Mahajan Surendra Anil	Deep learning algorithm for automatic detection of unexpected accidents in Noisy Tunnels	International Journal of Research and Analytical Reviews	8 & 7	2021	2349-5138 / 2348-1269
14	Mahajan Surendra Anil	Cluster management system for electric vehicle supply equipment	International Journal for Research in Engineering Application & Management	7 & 7	2021	2454-9150 / 2454-9150
15	Jaiswal Naresh Govindlal	REVIEW DESIGN AND ANALYSIS OF REGENERATIVE SHOCK ABSORBER	Journal of Seybold Report	15 & 2369	2020	- / 1533-9211
16	Barot Ami Rudrax	Analysis of Vibration Signals of Rolling Element Bearings with Localized Defects	International Journal of modern Engineering Research(IJMER)	10 & 9	2020	- / 2249-6645
17	Barot Ami Rudrax	A Wavelet Based Multi-resolution Technique for Analysis of Vibration Signals	IJSTE - International Journal of Science Technology & Engineering	7 & 6	2020	- / 2349-784X
18	Barot Ami Rudrax	Technological Evolution in the Fault Diagnosis of Rotating Machinery: A Review	IOSR-International Organization of Scientific Research- Journal of Mechanical and civil engineering (IOSR_JMCE)	18 & 18	2021	2278-1684 e-ISSN / 2320-334X,



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19	Belsare Madhavi Hemant	Evaluation of the Performance of a Reed Solomon Coded STBC MIMO System Concatenated with MPSK and MQAM in Different Channels	International Journal of Sensors, Wireless Communications and Control	10 & 11	2020	NA / 2210-3287
20	Gawali Shivaji Vishwanath	Fuzzy Logic System and Its Application	International Journal for Research in Applied Science & Engineering Technology	8 & 1377	2020	2321-9653 / 2321-9653
21	Gawali Shivaji Vishwanath	Methods to Reduce Friction and Reduce Efficiency in various Mechanical Engineering Components	International Journal for Research in Applied Science & Engineering Technology	8 & 1152	2020	2321-9653 / 2321-9653
22	Gawali Shivaji Vishwanath	Whiplash Protection System	International Research Journal of Engineering and Technology	07 & 3	2020	2395-0056 / 2395-0072
23	Kulkarni Pravin Ganpatrao	Technological Evolution in the Fault Diagnosis of Rotating Machinery: A Review, IOSR-JMCE, Vol.18, Issue 2, April 2021, ISSN: 2320-334X.	IOSR-JMCE	18 & 10	2021	Maharashtra / 2349-784X
24	Kulkarni Pravin Ganpatrao	A Wavelet Based Multi-resolution Technique for Analysis of Vibration Signals	IJSTE	7 & 10	2020	- / 2349-784X
25	Kulkarni Pravin Ganpatrao	Material Selection for Spur Gear Design Using Ashby Chart	IRJET	7 & 10	2020	- / -
26	Kulkarni Pravin Ganpatrao	Analysis of Vibration Signals of Rolling Element Bearings with Localized Defects	IJMER	10 & 10	2020	- / 2249
27	Bhadgale Anilkumar Mohanrao	AUTOMATED CRIMINAL IDENTIFICATION AND NOTIFICATION SYSTEM	International Research Journal of Engineering and Technology (IRJET)	Volume: 08 & 778	2021	2395-0072 / 2395-0056
28	Mahajan Milind Ramesh	The Heart Disease and COVID disease Prediction using supervised classification Techniques	International Journal of Advanced Research in Computer and Communication Engineering	10 & 5	2021	Maharashtra / 2278-1021



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29	Mahajan Milind Ramesh	GENERATIVE FRAMEWORK FOR SINGLE IMAGE SUPER RESOLUTION	International Journal of Research and Analytical Reviews	Volume 7 & 5	2020	- / E-ISSN 2348-1269, P- ISSN 2349-5138
30	Mahajan Milind Ramesh	Intelligent Chess Board Using IOT	International Journal of Research and Analytical Reviews	Volume 7 & 8	2020	- / E-ISSN 2348-1269, P- ISSN 2349-5138
31	Balbudhe Kshama Satish	Two Level Hierarchical Classification Model for Identification of Speaker using Deep Learning	International Research Journal of Engineering and Technology (IRJET)	8 & 5	2021	- / 2395-0056
32	Balbudhe Kshama Satish	Cat Breed Classification Using Convolutional Neural Network	International Journal of Innovative Research in Computer and Communication Engineering	9 & 4	2021	-- / 2320-9801
33	Balbudhe Kshama Satish	Blockchain and Verification with Smart Contract for Digital Certificate	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY	9 & 11	2020	2319 – 8753 / 2319 – 8753
34	Balbudhe Kshama Satish	ANDROID MALWARE DETECTION USING MACHINE LEARNING TECHNIQUE	INTERNATIONAL JOURNAL OF Research and Analytical Reviews	7 & 4	2020	E-ISSN 2348-1269 / E-ISSN 2348-1269
35	Dixit Shubhangi Sudhir	Political Bias Detection System Using Recurrent Neural Network	International Journal of Research and Analytical Review	7 & 9	2020	2348-1269, / 2349-5138
36	Dixit Shubhangi Sudhir	ARCHIVAL OF MULTIMEDIA DATA USING CLOUD COMPUTING	International Journal of Research and Analytical Review	8 & 7	2021	Maharashtra / 2349-5138
37	Dixit Shubhangi	RECOGNITION OF CHRONIC HEART FAILURE USING HEARTBEAT RECORDINGS	International Journal of Research and Analytical Review	8 & 8	2021	Maharashtra / 2349-5138
38	Dixit Shubhangi Sudhir	Deep-Q Learning for Autonomous Driving System in Simulation Environment	International Journal of Research and Analytical Review	7 & 4	2020	2348-1269, / 2349-5138



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39	Kurundkar Kalyani Makarand	“Comparative performance analysis of Firefly algorithm and Particle swarm Optimization for Profit Maximization of Grid connected Microgrid providing energy and ancillary service”,	Solid state technology	64 & 22	2021	NA / NA
40	Kamble Satish Gulabrao	Event Monitoring and Pre-alarming System Using Surveillance Videos	International Journal of Research and Analytical Reviews (IJRAR)	7 & 5	2020	2349-5138 / 2349-5138
41	Kamble Satish Gulabrao	Smart Applicant Screening System	International Journal of Research and Analytical Reviews (IJRAR)	7 & 5	2020	2349-5138 / 2349-5138
42	Kamble Satish Gulabrao	Abusive language Detection using Machine Learning	JETIR	7 & 6	2020	2349-5162 / 2349-5162
43	Adsule Urmila Suryakant	Steering Angle Prediction in Autonomous Vehicles Using Deep Learning	2019 5th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	6	2020	978-1-7281-4042-1 / 978-1-7281-4042-1
44	Kurundkar Kalyani M	Multi objective Multicriteria Optimal Placement of Reactive Power Compensating devices in distribution network by IEHO TOPSIS approach	ICETEMS Conference Proceedings	10	2021	979-8-5412-2027-8 / NA
45	Marathe Manisha Vinayak	Cluster Analysis of Online Mental Health Discourse using Topic-Infused Deep Contextualized Representations	Proceedings of the 12th International Workshop on Health Text Mining and Information Analysis	83	2021	Online / Online
46	Marathe Manisha Vinayak	PVG at WASSA 2021: A Multi-Input, Multi-Task, Transformer-Based Architecture for Empathy and Distress Prediction	Proceedings of the Eleventh Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis	105	2021	online / online
47	Marathe Manisha Vinayak	Combining Context-Free and Contextualized Representations for Arabic Sarcasm Detection and Sentiment Identification	Proceedings of the Sixth Arabic Natural Language Processing Workshop	357	2021	Online / Online



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48	Shirsat Neeta Sunil	Scene Generation with Text Guidance (VAAB system)	Springer	6	2021	2194-5357 / 2194-5357
49	Shirsat Neeta Sunil	Simulation Based Learning In Education System Using Chat Robot	International Journal of Research and Analytical Reviews	6	2021	2348-1269 / 2348-1269
50	Shirsat Neeta Sunil	Exploitation and Detection of Unauthorized access Point	International Journal of Research and Analytical Reviews	6	2020	2348-1269 / 2348-1269
51	Kurundkar Kalyani Makarand	Techno-Economic Analysis and Optimal Sizing of Stand-alone Hybrid AC-DC Microgrid by Nature inspired Firefly algorithm and Particle Swarm Optimization	IEEE Banglore-2021 International Conference on Intelligent Technologies (CONIT)	8	2021	NA / NA
52	Kurundkar Kalyani Makarand	Optimal placement of reactive power compensation devices in Distribution Network By IEHO-TOPSIS Approach”	“International Virtual Conference on Emerging Trends in Engineering and Management Science-2021 (ICETEMS-2021)”	10	2021	NA / NA
53	Bhawalkar Mandar Padmakar	Switched Reluctance Machine Speed Control and Torque stabilization using PID controller	International Conference on Power Initiatives	6	2020	ICPI 2020 / ICPI 2020

8. Research Projects/Schemes Undertaken by Teachers (2020-2021)

Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
NA	NA	NA	NA	NA	NA	NA	NA

9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2020-2021)

Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	22	46	5

10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2020-2021)

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	9	0	0	0



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11. Grants Sanction for Funding Agency (2020-2021)					
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	0	3

12. Faculty Wise Enrollment Of Students (2020-2021)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	89	11	0	0	0	5	5	2	23	3	0	138
	MALE	204	29	1	9	0	9	11	11	83	9	0	366
TOTAL		293	40	1	9	0	14	16	13	106	12	0	504



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13. Statistical Information about Teacher for Academic Year (2020-2021)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(D)	0	1	1	0	0	0
Date :	OBC	5	3	8	5	1	6
Place :	OPEN	4	10	14	12	15	Signature HOD/Principal/Director
4	SBC	0	0	0	0	1	1
5	SC	1	1	2	4	2	6
6	ST	0	0	0	2	0	2
	Total	10	15	25	23	19	42